

Multiply or divide the following:

1. $\sqrt{20}$

2. $\sqrt{48}$

3. $3\sqrt{96}$

4. $5\sqrt{72}$

5. $\sqrt{125b}$

6. $\sqrt{4x^2}$

7. $\sqrt{81m^3}$

8. $\sqrt{32m^5}$

9. $\sqrt{5} \cdot \sqrt{30}$

10. $\sqrt{50} \cdot \sqrt{18}$

11. $\sqrt{14x} \cdot \sqrt{2x}$

12. $\sqrt{3b^3} \cdot \sqrt{18b}$

13. $2\sqrt{a^4b^5}$

14. $\sqrt{64s^4t^3}$

15. $\sqrt{m^2n} \cdot \sqrt{n}$

16. $\sqrt{75xy} \cdot \sqrt{2x^3}$

17. $\sqrt{\frac{4}{49}}$

18. $\sqrt{\frac{7}{81}}$

19. $\sqrt{\frac{a^3}{121}}$

20. $\sqrt{\frac{100}{4x^2}}$

21. Which expression is equivalent to $\sqrt{\frac{9x}{16}}$?

a. $\frac{\sqrt{3x}}{4}$

b. $\frac{3\sqrt{x}}{4}$

c. $\frac{3\sqrt{x}}{16}$

d. $\frac{3x}{4}$

22. $2\sqrt{2} + 6\sqrt{2}$

23. $\sqrt{5} - 6\sqrt{5}$

24. $2\sqrt{6} - 5\sqrt{54}$

25. $9\sqrt{32} + \sqrt{2}$

26. $\sqrt{12} + 6\sqrt{3} + 2\sqrt{6}$

27. $3\sqrt{7} - 5\sqrt{14} + 2\sqrt{28}$

28. $\sqrt{5}(5 - \sqrt{5})$

29. $\sqrt{6}(7\sqrt{3} + 6)$

30. $\sqrt{3}(6\sqrt{2} - 4\sqrt{3})$

31. $(4 - \sqrt{2})(5 + \sqrt{2})$

32. $(2\sqrt{5} + 7)^2$

33. $(\sqrt{7} + \sqrt{3})(6 + \sqrt{8})$